

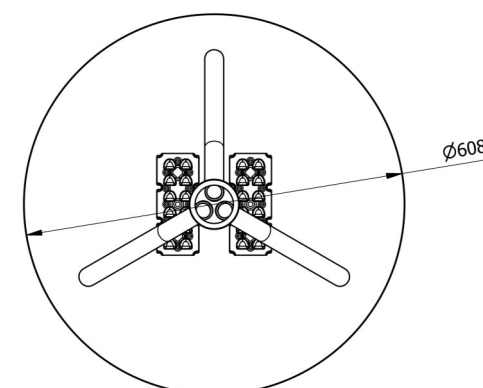
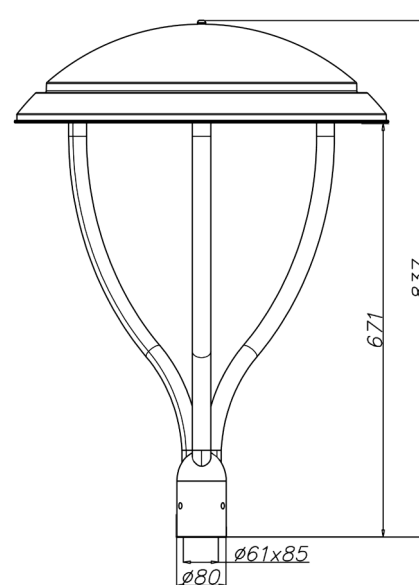
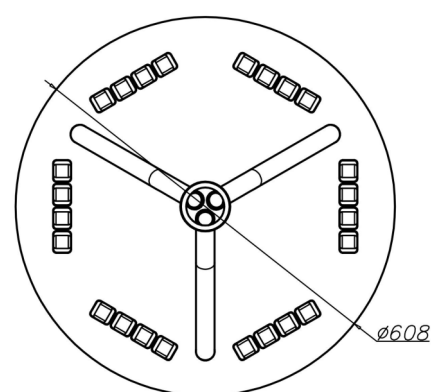
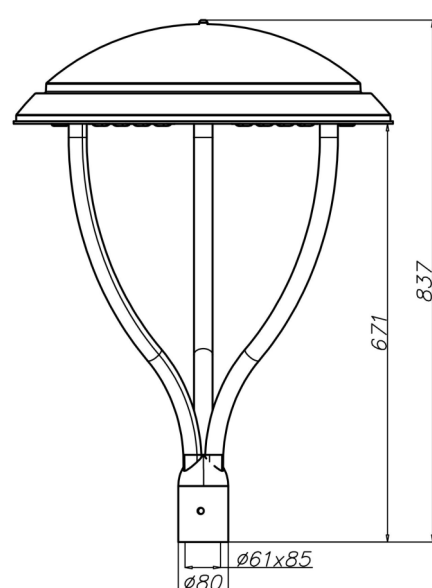
COSMO DELTA LED luminaire



COSMO DELTA LED



COSMO DELTA LED ASYMMETRIC



Characteristic

Ingress protection of optical system and driver	IP 66
Protection class	II
Nominal input voltage	220 - 240 V AC
Frequency	50/60 Hz
Operating temperatures	-40°C to +55°C
Power factor	≥0.95
Inrush electric current	46A / 250μs (for COSMO DELTA LED 72), 57A / 210μs (for COSMO DELTA LED 72 ASYMMETRIC)
Level of surge protection	10kV
Control system ready input	DALI
Material	anodized aluminium alloy
Colour	inox / black
Mounting	pole top mounted Ø60x85; recommended mount height 6 do 8 m,
Optical system	PMMA lens, replaceable LED module (for COSMO DELTA LED 72 ASYMMETRIC)
LEDs type	CREE XP-L
LEDs lifetime L90F10	>50 000h
Warranty	5 years



CREE
LEDs

COSMO DELTA LED luminaire



Technical parameters

Type	COSMO DELTA LED 72		COSMO DELTA LED 72 ASYMMETRIC	
Code	214835/6	214835/3	2148035/6/... ²⁾	2148035/3/... ²⁾
Correlated colour temperature [K]	5 000	3 500	5 000	3 500
Color rendering index CRI	75 ³⁾	>80	75 ³⁾	>80
Corrective factor S/P	1,8	1,45	1,8	1,45
LEDs quantity	24			
Supply current [mA]	1 000			
LEDs power [W]	72			
LEDs luminous flux ¹⁾ [lm]	10 450	9 600	10 450	9 600
Power consumption [W]	80			
Luminaire luminous flux ¹⁾ [lm]	9 750	8 950	9 750	8 950
Luminaire efficacy [lm/W]	123	112	123	112
Weight [kg]	11			
Volume [m ³]	0,32			
Windage [m ²]	0,13			

1) tolerance +/- 3% due to LEDs accuracy

2) code of chosen optics configuration - example: 2148035/6/T2 is a COSMO DELTA LED 72 ASYMMETRIC with optical system T2

3) tolerance +/-2

- Low voltage directive LVD 2006/95/WE, norm PN-EN 60598-1, PN-EN 60598-2-3
- Directive EMC 2004/108/WE, norms: PN-EN 55015, PN-EN 61547, PN-EN 61000-3-2, PN-EN 61000-3-3
- Shown parameters based on measurements according to IESNA LM 79-08

Acceptable quantity of luminaires COSMO DELTA LED on one circuit, protected by:

Overcurrent switches MCB type B or C									Fuse – type gG and GL							
		2A	4A	6A	10A	16A	20A	25A		2A	4A	6A	10A	16A	20A	25A
COSMO DELTA LED 72W	Type B	1	2	4	6	11	13	17	COSMO DELTA LED 72W	4	8	11	19	30	38	47
	Type C	1	4	6	11	18	22	28	COSMO DELTA LED 72W ASYMMETRIC	2	6	9	17	27	34	43
COSMO DELTA LED 72W ASYMMETRIC	Type B	1	2	4	7	12	15	18								
	Type C	1	4	7	12	20	24	31								

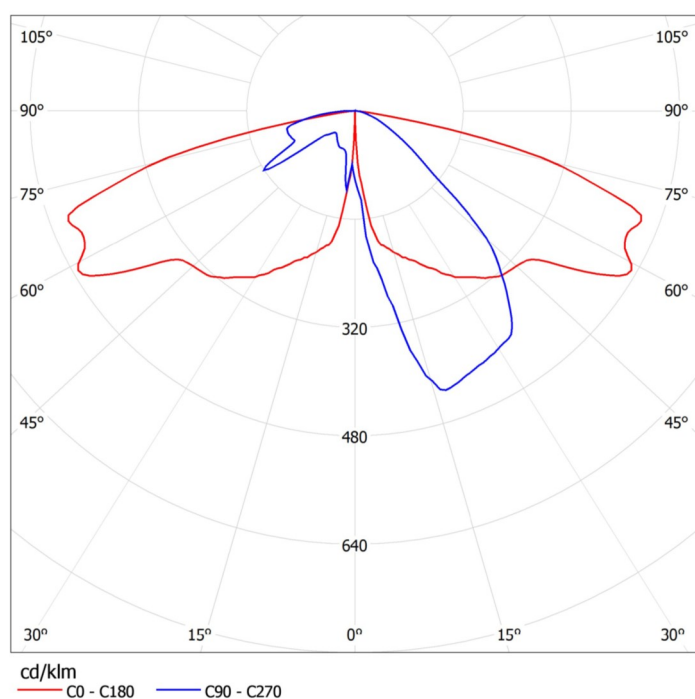
Luminaire COSMO DELTA LED in standard has following functions of intelligent power supply:

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

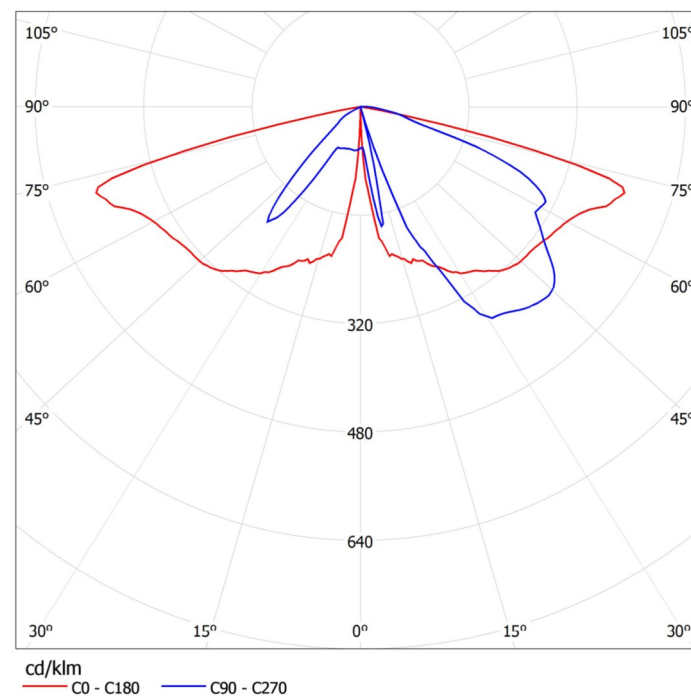
Optics configurations for COSMO DELTA LED ASYMMETRIC



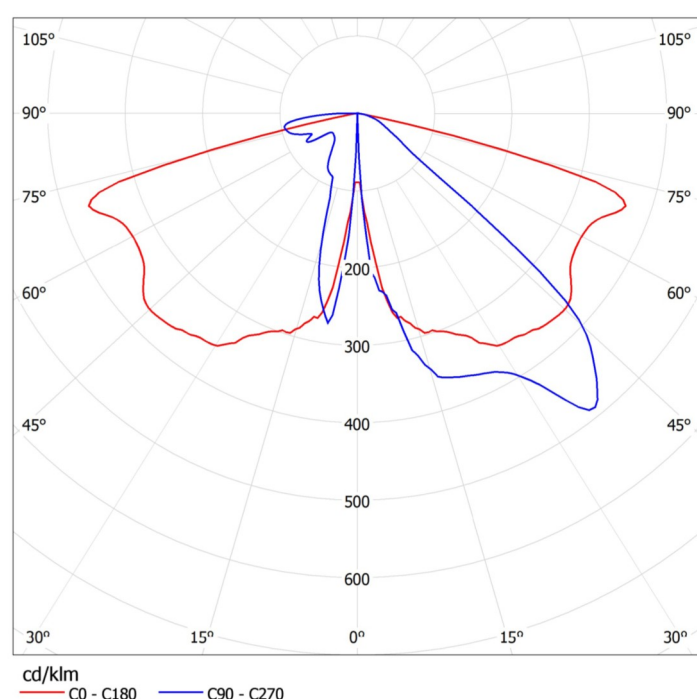
T2



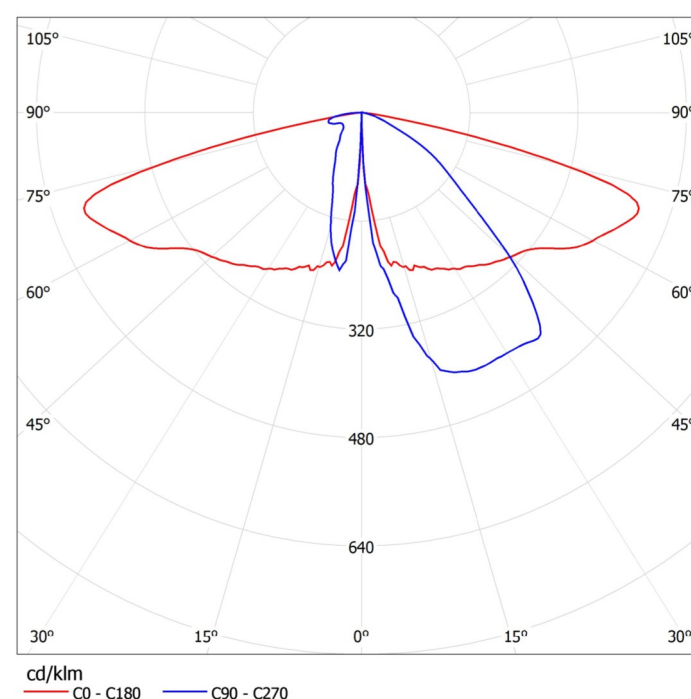
T3



ME



DW



Optics configurations for COSMO DELTA LED

